Acer Altos Solutions

Acer Altos R720 M2
Enhanced Rack Productivity

The Acer Altos R720 M2 is a high density 2U form factor server perfect to manage business-critical applications, online transactions, database and enterprise resource planning. It can ensure the same levels of performance as a flexible stand-alone server and can offer enterprise level operability. Designed to match budget and application requirements, the Acer Altos R720 M2 is equipped with high speed Intel processor, swift DDR3 memory and can easily be upgraded through hot-swappable HDDs.

HIGH EFFICIENCY POWER SUPPLY
To help saving energy and reduce costs, the Altos R720 M2 can be equipped with a high efficiency system power supply which is 9% more efficient than standard power supplies, reducing power consumption and operational costs.

SIMPLIFIED SET-UP
The entire Acer Altos range comes with Acer EasyBuild™, a software suite that simplifies installation and set-up thanks to an intuitive user interface that provides an easy-to-follow process complete with all relevant tools to configure the system.

REDUNDANCY FEATURES
Redundant fans and power supplies, RAID monitoring, TPM-based data protection and automated file backup and restore ensures that the Altos R720 M2 delivers reliable and uninterrupted operability.

SUPERIOR MANAGEABILITY
Altos R720 M2 servers are preloaded with Acer Server Manager (ASM) for easy-to-use server management. For remote troubleshooting and maintenance, these servers also provide a solution utilizing enhanced KVM technology for quick and effective conflict resolution.

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HIGHLIGHTS:
- Superior reliability
- Scalable with business growth
- Complete system management

ACER ALTOS R720 M2 TECHNICAL SPECIFICATIONS

Processor	One or two Intel® Xeon® processor 5500 series • Up to 2.93 GHz • 4.80/5.86/6.40 GT/s QPI • 4MB L3 shared cache (4.80 GT/s versions) • 8MB L3 shared cache (5.86 and 6.40 GT/s versions) • 800/1066/1333 DDR3 memory • Intel® Turbo Boost Technology (supported on 5.86 and 6.40 GT/s QPI versions only) • Intel® Virtualization Technology (Intel® VT) • Intel® QuickPath Technology up to 6.4 GT/s • Hyper-Threading Technology (supported on 5.86 and 6.40 GT/s QPI versions only) • Intel® 64 Technology
Chipset	Intel® 5520 chipset
VGA	Embedded graphics controller with 32 MB video memory
Memory	Twelve DDR3 1333 MHz ECC unbuffered/registered DIMMs (six DIMMs per processor), supporting: • Six-channel memory bus (three channels per processor) • 1 to 8 GB registered DIMMs for up to 96 GB of total system memory, or 1 to 4 GB unbuffered DIMMs for up to 48 GB of total system memory • Supports ECC, memory mirroring, lockstep mode
Expansion slots	Full-height riser slots: • Three PCI Express® 2.0 x8 slots (PCI Express® x8 throughput) Low-profile riser slots: • One PCI Express® 2.0 x8 slot (PCI Express® x8 throughput) • One PCI Express® x8 slot (PCI Express® x4 throughput)
Onboard I/O	Two PS/2 ports Two Serial ports Six USB 2.0 ports (four in rear and two in front) Two Gigabit Ethernet (RJ-45) ports Fast Ethernet (RJ-45) port for management Two VGA ports (one in rear and one in front)
RAID	Integrated six-port SATA with software RAID 0, 1, 10 support
SATA2	Six SATA2-300 ports onboard
SAS	Optional SAS HBA or SAS RAID add-on card
LAN controller	Integrated dual-port Gigabit Ethernet supporting Intel® I/O Acceleration Technology Integrated single-port 10/100 Fast Ethernet for BMC and KVM management
Security and service features	Power status LED/button HDD/ODD activity LED LAN activity LEDs System status LED System ID LED/button Chassis intrusion alert Lockable door
Security	Mechanical lock (front bezel) Chassis intrusion detection support
System power supply	750 W 1+1 (85% power efficiency) power supply, AC input operating voltages 100~127 VAC and 200-240 VAC, frequency 50/60 Hz (can be upgraded with second power module for hot-swap and redundancy)
Cooling system	6 fans (N+1 redundant)
Storage	Up to six 3.5" SAS/SATA or sixteen 2.5" SAS/SATA hot-plug HDDs via 2x8-bay HDD backplane Slim DVD writer

Form factor	2U rack-mountable Altos R Series tool-less sliding rail and cable arm (default bundled)
Dimensions	87 (H) x 430 (W) x 710 (D) mm (without front bezel) 87 (H) x 430 (W) x 745 (D) mm (with front bezel)
Weight	19.4 kg
Safety	UL, Nemko GS, CB
EMI	FCC Class A, BSMI, CE
Server Management Utilities and Applications	IPMI 2.0 TPM v1.2 Built-in Altos eXpress Console for server management and KVM over IP remote management Acer EasyBUILD™ v9.0 Acer Server Manager (ASM)
Operating System Support	Microsoft® Windows® Server 2008 Standard and Enterprise Edition (x86) Microsoft® Windows® Server 2008 Standard and Enterprise Edition (EM64T) Microsoft® Windows® Server 2003 Standard and Enterprise Edition (x86) Microsoft® Windows® Server 2003 Standard and Enterprise Edition (EM64T) Red Hat® Enterprise Linux 5.2 (x86) Red Hat® Enterprise Linux 5.2 (EM64T) Novell® SuSE® Linux Enterprise Server 10 SP2 (x86) Novell® SuSE® Linux Enterprise Server 10 SP2 (EM64T) VMware ESX 4.0[4]

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